



European surveillance network for influenza in pigs 3 (ESNIP 3)

Reid, Scott M.; Simon, Gaëlle; Larsen, Lars Erik; Kellam, Paul; Loeffen, Willie; van Reeth, Kristien; Brown, Ian H.

Publication date:
2012

[Link back to DTU Orbit](#)

Citation (APA):

Reid, S. M., Simon, G., Larsen, L. E., Kellam, P., Loeffen, W., van Reeth, K., & Brown, I. H. (2012). *European surveillance network for influenza in pigs 3 (ESNIP 3)*. Abstract from 4th European Symposium of Porcine Health Management, Bruges, Belgium.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

European surveillance network for influenza in pigs 3 (ESNIP 3)

Scott M. Reid¹, Gaëlle Simon², Lars E. Larsen³, Paul Kellam⁴, ESNIP 3 consortium, Willie Loeffen⁵, Kristien van Reeth⁶, Ian H. Brown¹

¹Animal Health and Veterinary Laboratories Agency-Weybridge, Woodham Lane, New Haw, Addlestone, Surrey, KT15 3NB, United Kingdom

²Anses, Ploufragan-Plouzané Laboratory, Swine Virology Immunology Unit, National Reference Laboratory for Swine Influenza, Zoopôle Les Croix, BP 53, 22440 Ploufragan, France

³Department of Veterinary Diagnostics and Research, Technical University of Denmark, National Veterinary Institute, Bülowsvej 27, 1790 Copenhagen, Denmark

⁴Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, CB10 1SA, United Kingdom

⁵Central Veterinary Institute of Wageningen UR (CVI-Lelystad), The Netherlands

⁶Ghent University, Faculty of Veterinary Medicine, Laboratory of Virology, Salisburylaan 133, B-9820 Merelbeke, Belgium

Objectives: The “European surveillance network for influenza in pigs (ESNIP) 3” continues a surveillance network previously established during concerted actions ESNIP 1 and ESNIP 2. Running from 2010-2013, ESNIP 3 represents the only organised surveillance network for influenza in pigs in Europe and seeks to strengthen formal interactions with human and avian surveillance networks. **Materials and Methods:** The project consortium comprises 24 participants, contributing a variety of specialisms and skills ensuring multi-disciplinary cutting-edge outputs. Most partners are actively working with swine influenza virus (SIV) experimentally and in the field. Three work packages aim to increase knowledge of the epidemiology and evolution of SIV in European pigs to inform changes in disease trends and variation in contemporary viruses through organised field surveillance programmes. **Results:** An inventory of the programmes that are currently active in fifteen of the partners showed that passive surveillance was primarily used. Detected virus strains will be characterised by antigenic cartography (informing better evidence-based approaches for selection of vaccine strains) and genetically through full genome sequencing using the latest technology. The virus bank and electronic database will be expanded and formally curated with relevant SIV isolates together with information for global dissemination within and out with the consortium to the wider scientific and veterinary community. **Conclusions:** All data will improve SI diagnosis by updating reagents employed in the recommended techniques to define minimum datasets for standardised epidemiological analyses. These approaches will aid pandemic preparedness and planning for human influenza whilst providing an evidence base for decisions relating to veterinary health.